

INTERNATIONAL APPLICATION
TRANSLATION CERTIFICATE

I, the below named verifier, hereby certify that:

(1) My name and post office address are as stated below;

(2) I am knowledgeable in the English language and in the language in which the below identified International Application was filed; and that

(3) I believe the attached is a full, true and faithful translation into the English language of the

[X] Amendment under PCT Article 34(2)(b)

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of International Application PCT/JP03 /00695, filed 24 January 2003 under the Patent Cooperation Treaty.

I declare further that all statements made herein on personal knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signed this 15th day of July, 2004.

Full name of verifier Takaharu HIGASHIMA

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Article 34 Amendment**AMENDED CLAIMS**

4. (Amended) An induction heater in accordance with claim 3, having a setting display section for displaying said target output value set by said setting input section, wherein said setting display section displays said target output value set by said setting input section in response to the control value output by said control section or the output value of said output detection section which have been stored in said storage section.

5. (Amended) An induction heater in accordance with claim 1, having a second movement detection section which determines that said object has slipped to move when said first movement detection section detects movements of said object successively in said first output mode, wherein, when said second movement detection section detects the movement of said object, said control section changes the output of said inverter circuit in said first output mode into a value lower than before in order to stop the slippage of said object.

12. (Amended) An induction heater in accordance with claim 1, further having a third movement detection section for detecting a movement in which said object moves away from said induction heating coil based on the fact that said control section has increased the control value continuously so as to increase the output of said inverter circuit in said stable control mode, wherein when said third movement detection section detects the movement of said object, the shift to said first output mode is made so that said movement is stopped.

30. (Amended) An induction heater comprising:

an induction heating coil which produces a high-frequency magnetic field to heat an object to be heated;

an inverter circuit which supplies a high-frequency current to said induction heating coil;

an output detection section for detecting the magnitude of the output of said inverter circuit;

a movement detection section for detecting a movement of said object;

a control section for controlling the output of said inverter circuit in response to the output of said output detection section and the output of said

movement detection section; and

a movement detection stop input section through which a user inputs a stop command to stop the detection operation of said movement detection section or to make said control section stop controlling the output in response to the output of said movement detection section.

31. (Amended) An induction heater comprising:

an induction heating coil which produces a high-frequency magnetic field to heat an object to be heated;

an inverter circuit which supplies a high-frequency current to said induction heating coil;

an output detection section for detecting the magnitude of the output of said inverter circuit;

a movement detection section for detecting a movement of said object;

a control section for controlling the output of said inverter circuit in response to the output of said output detection section and the output of said movement detection section;

a movement detection stop input section for inputting a stop command to stop the detection operation of said movement detection section or to

make said control section stop controlling the output in response to the output of said movement detection section; and

a first timer section which starts timing in association with the input operation to said movement detection stop input section, wherein

until a predetermined time period elapses after said first timer section starts timing, said control section performs control regardless of whether said object has moved or not.